

Title (en)
Electrical connector assembly

Title (de)
Elektrische Verbindervorrichtung

Title (fr)
Ensemble connecteur électrique

Publication
EP 1703598 B1 20071121 (EN)

Application
EP 05102174 A 20050318

Priority
EP 05102174 A 20050318

Abstract (en)
[origin: EP1703598A1] The electrical connector assembly comprises first (12) and second (14) connectors each including an array of first (24) and second (48) contact elements, respectively. One of the connectors is provided with a collar (30) surrounding the array of contact elements and projecting therebeyond. The other connector is provided with guiding elements (38) projecting from the respective connector. Within the array defined by the collar there is provided an abutment edge (56,60,66,74,76) extending within the area of contact elements of that connector and above these contact elements. The greatest distance (52,78) between the collar portions and the abutment edge is smaller than the width (50) of the guiding elements so that in case of a misalignment where the connectors are displaced relative to each other, the guiding element by the collar and the abutment edge is prevented from contacting the contact elements surrounded by the collar.

IPC 8 full level
H01R 13/631 (2006.01); **H01R 24/58** (2011.01)

CPC (source: EP US)
H01R 12/00 (2013.01 - US); **H01R 13/631** (2013.01 - EP US); **H01R 12/722** (2013.01 - EP US); **H01R 12/75** (2013.01 - EP US);
H01R 13/64 (2013.01 - EP US)

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
EP 1703598 A1 20060920; EP 1703598 B1 20071121; CN 100578867 C 20100106; CN 101142719 A 20080312;
DE 602005003447 D1 20080103; DE 602005003447 T2 20080925; EP 1881568 A2 20080123; EP 1881568 A3 20080206;
US 2009117786 A1 20090507; WO 2006102218 A1 20060928

DOCDB simple family (application)
EP 05102174 A 20050318; CN 200680008780 A 20060316; DE 602005003447 T 20050318; EP 07118967 A 20050318;
US 2006009989 W 20060316; US 90887206 A 20060316